Name of Work: Improvements to roads and drains at Kaveri layout in Ward No. 03

EMB

"FIRST AND FINAL BILL"

Name of Work: Improvements to roads and drains at Kaveri layout in Ward No. 03

Date of Pre-Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking							
	Kaveri Layout							
	Water Cistern Road, LHS							
	Ch: 0 to 17.0m		1	17.00	1.20	1.10	22.44	
	Road gap							
	Ch: 0 to 22.10m		1	22.10	1.20	1.10	29.17	
	1st Main							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 60.0m		1	30.00	1.20	1.10	39.60	
	Ch: 60 to 90.0m		1	30.00	1.20	1.10	39.60	
	Ch: 90 to 100.10m		1	10.10	1.20	1.10	13.33	
	Road gap							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 60.0m		1	30.00	1.20	1.10	39.60	
	Ch: 60 to 83.10m		1	23.10	1.20	1.10	30.49	
	RHS, from Dead End							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 60.0m		1	30.00	1.20	1.10	39.60	
	Ch: 60 to 90.0m		1	30.00	1.20	1.10	39.60	
	Ch: 90 to 120.0m		1	30.00	1.20	1.10	39.60	
	Ch: 120 to 125.10m		1	5.10	1.20	1.10	6.73	
	1st Main Left Side							
	LHS							
	Ch: 0 to 24.0m		1	24.00	1.20	1.10	31.68	
	Cross Rd-1							
	LHS							
	Ch: 0 to 30.20m		1	30.20	1.20	1.10	39.86	
	Road gap							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 33.0m		1	3.00	1.20	1.10	3.96	
	Road gap							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 46.70m		1	16.70	1.20	1.10	22.04	
	Cross Rd-2							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 60.0m		1	30.00	1.20	1.10	39.60	
	Ch: 60 to 64.20m		1	4.20	1.20	1.10	5.54	
	RHS, from End							
	Ch: 0 to 30.40m		1	30.40	1.20	1.10	40.13	
	Road Gap							

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	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 31.80m		1	1.80	1.20	1.10	2.38	
	Cross Rd-3							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 34.00m		1	4.00	1.20	1.10	5.28	
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 33.00m		1	3.00	1.20	1.10	3.96	
	Cross Rd-4							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 60.0m		1	30.00	1.20	1.10	39.60	
	Ch: 60 to 90.0m		1	30.00	1.20	1.10	39.60	
	Ch: 0 to 120.0m		1	30.00	1.20	1.10	39.60	
	Ch: 120 to 150.0m		1	30.00	1.20	1.10	39.60	
	Ch: 150 to 167.60m		1	17.60	1.20	1.10	23.23	
	Cross Rd-5							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 60.0m		1	30.00	1.20	1.10	39.60	
	Ch: 60 to 90.0m		1	30.00	1.20	1.10	39.60	
	Ch: 0 to 120.0m		1	30.00	1.20	1.10	39.60	
	Ch: 120 to 150.0m		1	30.00	1.20	1.10	39.60	
	Ch: 150 to 169.20m		1	19.20	1.20	1.10	25.34	
	Debris		1	10.00	1.80	0.40	7.20	
			1	14.00	1.50	0.45	9.45	
			1	18.00	2.50	0.60	27.00	
	Culvert							
	1st Main							
	Cross Rd-1		1	7.20	1.50	1.10	11.88	
	Cross Rd-2		1	9.90	1.50	1.10	16.34	
	Cross Rd-4		1	5.50	1.50	1.10	9.08	
	Cross Rd-5		1	6.20	1.50	1.10	10.23	
			1	7.00	1.50	1.10	11.55	
						Present Qty	**1437.90**	**Cum**

Contractor

NEWZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

Asst. Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and drains at Kaveri layout in Ward No. 03

Date of Pre-Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days							
	Kaveri Layout							
	Water Cistern Road, LHS							
	Ch: 0 to 17.0m		1	17.00	1.20	0.15	3.06	
	Road gap							
	Ch: 0 to 22.10m		1	22.10	1.20	0.15	3.98	
	1st Main							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90.0m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 100.10m		1	10.10	1.20	0.15	1.82	
	Road gap							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 83.10m		1	23.10	1.20	0.15	4.16	
	RHS, from Dead End							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90.0m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 120.0m		1	30.00	1.20	0.15	5.40	
	Ch: 120 to 125.10m		1	5.10	1.20	0.15	0.92	
	1st Main Left Side							
	LHS							
	Ch: 0 to 24.0m		1	24.00	1.20	0.15	4.32	
	Cross Rd-1							
	LHS							
	Ch: 0 to 30.20m		1	30.20	1.20	0.15	5.44	
	Road gap							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 33.0m		1	3.00	1.20	0.15	0.54	
	Road gap							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 46.70m		1	16.70	1.20	0.15	3.01	
	Cross Rd-2							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 64.20m		1	4.20	1.20	0.15	0.76	
	RHS, from End							

	Ch: 0 to 30.40m		1	30.40	1.20	0.15	5.47	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 31.80m		1	1.80	1.20	0.15	0.32	
	Cross Rd-3							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 34.00m		1	4.00	1.20	0.15	0.72	
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 33.00m		1	3.00	1.20	0.15	0.54	
	Cross Rd-4							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90.0m		1	30.00	1.20	0.15	5.40	
	Ch: 0 to 120.0m		1	30.00	1.20	0.15	5.40	
	Ch: 120 to 150.0m		1	30.00	1.20	0.15	5.40	
	Ch: 150 to 167.60m		1	17.60	1.20	0.15	3.17	
	Cross Rd-5							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60.0m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90.0m		1	30.00	1.20	0.15	5.40	
	Ch: 0 to 120.0m		1	30.00	1.20	0.15	5.40	
	Ch: 120 to 150.0m		1	30.00	1.20	0.15	5.40	
	Ch: 150 to 169.20m		1	19.20	1.20	0.15	3.46	
	Culvert							
	1st Main		1	7.20	1.50	0.15	1.62	
	Cross Rd-1		1	9.90	1.50	0.15	2.23	
	Cross Rd-2		1	5.50	1.50	0.15	1.24	
	Cross Rd-4		1	6.20	1.50	0.15	1.40	
	Cross Rd-5		1	7.00	1.50	0.15	1.58	
						Present Qty	**190.13**	**Cum**

Contractor

NEWZEN CONSULTANT * BANGALORE PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಡ.ಎಂ.ಕ. ಬೆಂಗಳೂರು-106

Assistant Executive Engineer

Name of Work: Improvements to roads and drains at Kaveri layout in Ward No. 03

Date of Pre-Measurement :

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of							
	RAFT							
	Kaveri Layout							
	Water Cistern Road, LHS							
	Ch: 0 to 17.0m		1	17.00	1.10	0.15	2.81	
	Road gap							
	Ch: 0 to 22.10m		1	22.10	1.10	0.15	3.65	
	1st Main							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60.0m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90.0m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 100.10m		1	10.10	1.10	0.15	1.67	
	Road gap							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60.0m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 83.10m		1	23.10	1.10	0.15	3.81	
	RHS, from Dead End							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60.0m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90.0m		1	30.00	1.10	0.15	4.95	
	Ch: 90 to 120.0m		1	30.00	1.10	0.15	4.95	
	Ch: 120 to 125.10m		1	5.10	1.10	0.15	0.84	
	1st Main Left Side							
	LHS							
	Ch: 0 to 24.0m		1	24.00	1.10	0.15	3.96	
	Cross Rd-1							
	LHS							
	Ch: 0 to 30.20m		1	30.20	1.10	0.15	4.98	
	Road gap							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 33.0m		1	3.00	1.10	0.15	0.50	
	Road gap							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 46.70m		1	16.70	1.10	0.15	2.76	
	Cross Rd-2							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60.0m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 64.20m		1	4.20	1.10	0.15	0.69	

	RHS, from End							
	Ch: 0 to 30.40m		1	30.40	1.10	0.15	5.02	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 31.80m		1	1.80	1.10	0.15	0.30	
	Cross Rd-3							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 34.00m		1	4.00	1.10	0.15	0.66	
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 33.00m		1	3.00	1.10	0.15	0.50	
	Cross Rd-4							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60.0m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90.0m		1	30.00	1.10	0.15	4.95	
	Ch: 0 to 120.0m		1	30.00	1.10	0.15	4.95	
	Ch: 120 to 150.0m		1	30.00	1.10	0.15	4.95	
	Ch: 150 to 167.60m		1	17.60	1.10	0.15	2.90	
	Cross Rd-5							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 60.0m		1	30.00	1.10	0.15	4.95	
	Ch: 60 to 90.0m		1	30.00	1.10	0.15	4.95	
	Ch: 0 to 120.0m		1	30.00	1.10	0.15	4.95	
	Ch: 120 to 150.0m		1	30.00	1.10	0.15	4.95	
	Ch: 150 to 169.20m		1	19.20	1.10	0.15	3.17	
	WALL							
	Kaveri Layout							
	Water Cistern Road, LHS							
	Ch: 0 to 17.0m		2	17.00	0.15	0.60	3.06	
	Road gap							
	Ch: 0 to 22.10m		2	22.10	0.15	0.60	3.98	
	1st Main							
	LHS							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60.0m		2	30.00	0.15	0.60	5.40	
	Ch: 60 to 90.0m		2	30.00	0.15	0.60	5.40	
	Ch: 90 to 100.10m		2	10.10	0.15	0.60	1.82	
	Road gap							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60.0m		2	30.00	0.15	0.60	5.40	
	Ch: 60 to 83.10m		2	23.10	0.15	0.60	4.16	
	RHS, from Dead End							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60.0m		2	30.00	0.15	0.60	5.40	
	Ch: 60 to 90.0m		2	30.00	0.15	0.60	5.40	
	Ch: 90 to 120.0m		2	30.00	0.15	0.60	5.40	
	Ch: 120 to 125.10m		2	5.10	0.15	0.60	0.92	

1st Main Left Side							
LHS							
Ch: 0 to 24.0m		2	24.00	0.15	0.60	4.32	
Cross Rd-1							
LHS							
Ch: 0 to 30.20m		2	30.20	0.15	0.65	5.89	
Road gap							
Ch: 0 to 30.0m		2	30.00	0.15	0.65	5.85	
Ch: 30 to 33.0m		2	3.00	0.15	0.65	0.59	
Road gap							
Ch: 0 to 30.0m		2	30.00	0.15	0.65	5.85	
Ch: 30 to 46.70m		2	16.70	0.15	0.65	3.26	
Cross Rd-2							
LHS							
Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
Ch: 30 to 60.0m		2	30.00	0.15	0.60	5.40	
Ch: 60 to 64.20m		2	4.20	0.15	0.60	0.76	
RHS, from End							
Ch: 0 to 30.40m		2	30.40	0.15	0.60	5.47	
Road Gap							
Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
Ch: 30 to 31.80m		2	1.80	0.15	0.60	0.32	
Cross Rd-3							
LHS							
Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
Ch: 30 to 34.00m		2	4.00	0.15	0.60	0.72	
RHS							
Ch: 0 to 30.0m		2	30.00	0.15	0.65	5.85	
Ch: 30 to 33.00m		2	3.00	0.15	0.60	0.54	
Cross Rd-4							
RHS							
Ch: 0 to 30.0m		2	30.00	0.15	0.65	5.85	
Ch: 30 to 60.0m		2	30.00	0.15	0.65	5.85	
Ch: 60 to 90.0m		2	30.00	0.15	0.65	5.85	
Ch: 0 to 120.0m		2	30.00	0.15	0.65	5.85	
Ch: 120 to 150.0m		2	30.00	0.15	0.65	5.85	
Ch: 150 to 167.60m		2	17.60	0.15	0.65	3.43	
Cross Rd-5							
LHS							
Ch: 0 to 30.0m		2	30.00	0.15	0.65	5.85	
Ch: 30 to 60.0m		2	30.00	0.15	0.65	5.85	
Ch: 60 to 90.0m		2	30.00	0.15	0.65	5.85	
Ch: 0 to 120.0m		2	30.00	0.15	0.65	5.85	
Ch: 120 to 150.0m		2	30.00	0.15	0.65	5.85	
Ch: 150 to 169.20m		2	19.20	0.15	0.65	3.74	
Culvert Raft							
1st Main		1	7.20	1.30	0.23	2.15	
Cross Rd-1		1	9.90	1.30	0.23	2.96	
Cross Rd-2		1	5.50	1.30	0.23	1.64	
Cross Rd-4		1	6.20	1.30	0.23	1.85	

	Cross Rd-5		1	7.00	1.30	0.23	2.09	
	Culvert Wall							
	1st Main		2	7.20	0.23	0.60	1.99	
	Cross Rd-1		2	9.90	0.23	0.60	2.73	
	Cross Rd-2		2	5.50	0.23	0.60	1.52	
	Cross Rd-4		2	6.20	0.23	0.60	1.71	
	Cross Rd-5		2	7.00	0.23	0.60	1.93	
						Present Qty	**376.70**	**Cum**

Contractor

NEWZEN CONSULTANT * BANGALORE
PMC

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Improvements to roads and drains at Kaveri layout in Ward No. 03

te of Pre-Measurement :

Detailed Measurements

em No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be							
	Kaveri Layout							
	Water Cistern Road, LHS							
	Total Drain length=39.10m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=391.00Nos		391	2.10		0.61	500.87	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	39.10		0.61	453.17	
	1st Main, LHS							
	Total Drain length=183.20m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1832.0Nos		1832	2.10		0.61	2346.79	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	183.20		0.61	2123.29	
	RHS, from Dead End							
	Total Drain length=125.10m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1251.0Nos		1251	2.10		0.61	1602.53	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	125.10		0.61	1449.91	
	1st Main Left Side							
	Total Drain length=24.00m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=240.0Nos		240	2.10		0.61	307.44	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	24.00		0.61	278.16	
	Cross Rd-1, LHS							
	Total Drain length=109.90m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1099.0Nos		1099	2.20		0.61	1474.86	
	Distribution bar							

Distribution bar 10mm dia @ 110mm						
0.61kg/mtr	20	109.90		0.61	1340.78	
Cross Rd-2, LHS						
Total Drain length=64.20m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=642.0Nos	642	2.10		0.61	822.40	
Distribution bar						
Distribution bar 10mm dia @ 110mm						
0.61kg/mtr	19	64.20		0.61	744.08	
Cross Rd-2, RHS						
Total Drain length=62.20m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=622.0Nos	622	2.10		0.61	796.78	
Distribution bar						
Distribution bar 10mm dia @ 110mm						
0.61kg/mtr	19	62.20		0.61	720.90	
Cross Rd-3, LHS						
Total Drain length=34.0m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=340.0Nos	340	2.20		0.61	456.28	
Distribution bar						
Distribution bar 10mm dia @ 110mm						
0.61kg/mtr	19	34.00		0.61	394.06	
Cross Rd-3, RHS						
Total Drain length=33.0m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=330.0Nos	330	2.20		0.61	442.86	
Distribution bar						
Distribution bar 10mm dia @ 110mm						
0.61kg/mtr	19	33.00		0.61	382.47	
Cross Rd-4, RHS						
Total Drain length=167.60m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=1676.0Nos	1676	2.20		0.61	2249.19	
Distribution bar						
Distribution bar 10mm dia @ 110mm						
0.61kg/mtr	19	167.60		0.61	1942.48	
Cross Rd-5, LHS						
Total Drain length=169.20m						
Main bar 10mm dia bar @ 100mm						
0.61kg/mtr						
No of U-bar=1692.0Nos	1692	2.20		0.61	2270.66	
Distribution bar						
Distribution bar 10mm dia @ 110mm						
0.61kg/mtr	19	169.20		0.61	1961.03	

	Culvert							
	Total Drain length=35.80m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=716.00Nos		716	2.40		0.61	1048.22	
	Distribution bar							
	Distribution bar 10mm dia @ 125mm							
	0.61kg/mtr		38	35.80		0.61	829.84	
							26939.06	
						Present Qty	**26.94**	**Ton**

Contractor

NEWZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Asst. Executive Engineer,
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and drains at Kaveri layout in Ward No. 03

Date of Pre-Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking									
	Pre-measurement sheet no 1 to 2						1437.90			
						Present Qty	**1437.90**	**Cum**	**215.28**	**309552.00**
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days									
	Pre-measurement sheet no 3 to 4						190.13			
						Present Qty	**190.13**	**Cum**	**5421.90**	**1030839.00**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of									
	Pre-measurement sheet no 5 to 8						376.70			
						Present Qty	**376.70**	**Cum**	**7070.20**	**2663309.00**
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be									
	Pre-measurement sheet no 9 to 11						26.94			
						Present Qty	**26.94**	**Ton**	**73992.24**	**1993282.00**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and drains at Kaveri layout in Ward No. 03

Date of Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer									
	Kaveri Layout									
	Water Cistern Road, LHS									
	Ch: 0 to 17.0m		1	17.00	0.90		15.30			
	Road gap									
	Ch: 0 to 22.10m		1	22.10	0.90		19.89			
	1st Main									
	LHS									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 60.0m		1	30.00	0.90		27.00			
	Ch: 60 to 90.0m		1	30.00	0.90		27.00			
	Ch: 90 to 100.10m		1	10.10	0.90		9.09			
	Road gap									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 60.0m		1	30.00	0.90		27.00			
	Ch: 60 to 83.10m		1	23.10	0.90		20.79			
	RHS, from Dead End									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 60.0m		1	30.00	0.90		27.00			
	Ch: 60 to 90.0m		1	30.00	0.90		27.00			
	Ch: 90 to 120.0m		1	30.00	0.90		27.00			
	Ch: 120 to 125.10m		1	5.10	0.90		4.59			
	1st Main Left Side									
	LHS									
	Ch: 0 to 24.0m		1	24.00	0.90		21.60			
	Cross Rd-1									
	LHS									
	Ch: 0 to 30.20m		1	30.20	0.90		27.18			
	Road gap									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 33.0m		1	3.00	0.90		2.70			
	Road gap									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 46.70m		1	16.70	0.90		15.03			
	Cross Rd-2									
	LHS									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 60.0m		1	30.00	0.90		27.00			
	Ch: 60 to 64.20m		1	4.20	0.90		3.78			
	RHS, from End									
	Ch: 0 to 30.40m		1	30.40	0.90		27.36			
	Road Gap									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 31.80m		1	1.80	0.90		1.62			

23/04/2020

Cross Rd-3									
LHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 34.00m		1	4.00	0.90		3.60			
RHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 33.00m		1	3.00	0.90		2.70			
Cross Rd-4									
RHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 60.0m		1	30.00	0.90		27.00			
Ch: 60 to 90.0m		1	30.00	0.90		27.00			
Ch: 0 to 120.0m		1	30.00	0.90		27.00			
Ch: 120 to 150.0m		1	30.00	0.90		27.00			
Ch: 150 to 167.60m		1	17.60	0.90		15.84			
Cross Rd-5									
LHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 60.0m		1	30.00	0.90		27.00			
Ch: 60 to 90.0m		1	30.00	0.90		27.00			
Ch: 0 to 120.0m		1	30.00	0.90		27.00			
Ch: 120 to 150.0m		1	30.00	0.90		27.00			
Ch: 150 to 169.20m		1	19.20	0.90		17.28			
					Present Qty	**910.35**	**Sqm**	**2337.00**	**2127488.00**

Contractor

PMC CONSULTANT * NEW ZEN * BANGALORE

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್/Executive Engineer
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಡಿ.ಎ.ಪ್ರ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and drains at Kaveri layout in Ward No. 03

Date of Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Detailed Measurements									
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
	Culvert Raft									
	1st Main									
	Cross Rd-1		1	7.20	1.20		8.64			
	Cross Rd-2		1	9.90	1.20		11.88			
	Cross Rd-4		1	5.50	1.20		6.60			
	Cross Rd-5		1	6.20	1.20		7.44			
			1	7.00	1.20		8.40			
							Present Qty	**42.96**	**Sqm**	**5418.00**	**232758.00**
								Total			**8357228.00**
								12% GST			**1002868.00**
								4% KRIDL			**334290.00**
								Grand Total			**9694386.00**

Contractor

CONSULTANT * NEW ZEN * BANGALORE PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪವಿಭಾಗ ಅಭಿವೃದ್ಧಿ ವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106